BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

Schedule-B

NAME OF WORK: Improvements to UGD Works and sinking of Borewell in ward no.14 Dasarahalli Sub Division

Sl. No	Description of work	Unit	Qty	Rate quoted by the Contractor R.Shivaram	
				In Figures (Rs.)	Amount
	2	3	4	5	7
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc.	Each	8	2026.6599	16213.28
2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.,	Rmtr	400	329.52069	131808.28
3	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.,	Rmtr	400	431.3733	172549.32
4	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.,	Rmtr	400	479.20493	191681.97

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5	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.,	Rmtr	400	506.12655	202450.62
6	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.,	Rmtr	400	585.81456	234325.82
7	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.,	Rmtr	400	690.5423	276216.92
8	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.,	Rmtr	400	669.7473	267898.92
9	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.,	Rmtr	88	708.57717	62354.79

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	pply of ISI Mark 175mm Nominal bore ,plain end eel Casing pipe- grade of steel Fee 410 of wall hickness 5.4 mm thick confirming to IS 1387/1933 l manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr.	Mtr	654	1385.2875	905978.03
11	Providing and Fixing 250mm dia PVC pipe and as per Specification and Direction	Each	144	1184.5515	170575.42
12	Providing 175 mm dia MS Collar	Each	58	156.825	9095.85
13	Providing 175 mm dia MS Cap	Each	8	104.55	836.40
14	Supply and delivery at site brand new submersible pumpset suitable for borewell of 165mm dia and having the declared duty conditions as detailed below and satisfying performance Characteristics for pump and motor as declared by the bureau of indian stand. the pumpset should conform to IS : 8034-1989 (With all its latest amendments) and Should bear ISI Certification mark IS : 8034-1989 Sub mercible pumpset 20HP 40 stage Texmo/Taro or equalents Brands	No	12	89073.986	1068887.84
15	Providing and fixing of 50mm G.I pipe 'C' class heavy duty for erection of submersible pumpset galvanised tube 50mm supply ad delivary of cause heavy duty as per IS/239/1990	Mtrs	2360	459.91545	1085400.46
16	Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts	Mtrs	4600	171.7652	790119.90
17	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adharsh / GK Controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for opration on 3ph, 50 hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consist etc., complete the panel board shall be fabricated on single unit in the above componenets panel board for suitable pumpset with star delta staretr out door type 10hp to 15 hp	No	8	15473.4	123787.20

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	Fabricating Supplying and mounting MS Box of 16 SWG suitable for floor/ wall mounting fully weather proof with provision for better hear description, providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamp with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 Sq cm	Sqm	176000	0.365925	64402.80
19	Providing & Fixing of Clamps set and Borewell cap to the pump (MR)	No	8	1994.814	15958.51
20	Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labour HOM of equipment with all leads Complete as per Specifcation	NO	8	1994.814	15958.51
21	Supplying and fixing 50mm GM Gate Vavle	NO	8	1994.814	15958.51
22	Providing & Fixing of 50mm GI Short bend to motor	NO	8	242.70237	1941.62
23	Supplying and fixing 50mm GI Union	NO	8	247.90896	1983.27
24	Supplying and fixing 50mm GI Elbow	NO	8	116.8869	935.10
25	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required,	Each	160	94.76412	15162.26
26	Erection of combined panel board and meter unit with necessary materials and labour including providing cement concrete foundation bed cont door type etc., complete	No	8	496.6125	3972.90
27	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required	No	8	947.6412	7581.13
28	Supplying and laying of L.T.U.G Cable having aluminium conductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 K V class 4 crore 16 sqmm cable (Confirming to IS 1554)	Mtr	80	177.68273	14214.62
29	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., complete	Mtrs	160	59.227575	9476.41
30	Supplying and fixing class A GI pipe on pole/Wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm	Mtrs	24	260.60133	6254.43
31	Supplying, fixing, wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes of 122mm dia	No	24	1776.8273	42643.85
32	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmm UG cable filled with neccesary bitumen / insulating compound complete with termiinalas, clamps, bolts, nuts, washers etc.,	No	8	284.29236	2274.34

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	Supplying Shunt capacitor's comfirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No:s	No	8	1411.425	11291.40
	Providing & Fixing Gun Metal Gate wheel valve confirming to IS Specifivation of approved make as per direction including all lead and lift etc., complete 50mm dia	No	32	813.44082	26030.11
35	Supplying and fixing of polished wood board made up not less than 15mm thick plank in both side with plank made out on not more than 2 piecess and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20x20x2.5 inches	No	8	325.75689	2606.06
36	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum	1335.6	497.59527	664588.24
37	Providing and installing at site of work 63mm (0.662) P.V.C pipes of 6kg/ cm2 including cost of pipes and specials and labour including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth available from the excavation etc., complete (Page no:115, I.No.3.42 B, PRED SR 2012-13).	Rmt	2968	412.26156	1223592.31
38	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m including cost of all labour complete as specifications.. allow 60% of rate considered under item	Cum	1335.6	134.09583	179098.39
39	KPTCL Deposit Charge	L.S	8	12546	100368.00
40	Borewell registration charge per Rs 1000 each for BWSSB	L.S	8	1045.5	8364.00
41	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in hard soil not exceeding 1.5m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications.	Cum	978.16	497.59527	486727.79
42	Providing and laying in position to required level or slope 300mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, including cost of materials, labour charges complete as per specifications.	Mtr	512	699.29313	358038.08

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	refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m including cost of all labour complete as specifications.. allow 60% of rate considered under item	Cum	978.16	134.09583	131167.18
44	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading	Cum	600	77.356545	46413.93

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